

ORAL PRESENTATION

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GMFCS and spino-pelvi-femoral complex in ambulating or walking cerebral palsy children. retrospective study

Jean-Claude Bernard^{1*}, Julie Deceuninck¹, Emmanuelle Chaleat-Valayer¹, Jessica Sutton¹, Sophie Leroy-Coudeville¹, Edith Morel¹, Eric Loustalet¹, Audrey Combey¹, Eric Berthonnaud²

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Introduction

We have performed a radiological evaluation of static data of spine-pelvis-femur complex in walking children with cerebral palsy (CP). The data are discussed about GMFCS and after about radiological data in asymptomatic subjects.

Materials and methods

The CP population is comprised of 119 children and the asymptomatic population of 652 children.

Results

There is no significant difference concerning the form parameter (pelvic incidence=PI), on the other hand there is a significant difference on position parameters (pelvic tilt=PT and sacral slope=SS). There is a correlation between GMFCS and PI ($p=0.013$) and between GMFCS and PT ($p=0.021$).

Discussion

The PC population is not structurally different than the asymptomatic population. It will be the growth, in pathologic context, which disturb parameters. A lumbar lordosis which is not correlated with PI have to be consider like a result of the disease (postural troubles, neuro-motor disorders related with growth,...) and require a specific and early evaluation and treatment.

Authors' details

¹CMCR des Massues, Lyon, France. ²Hopital Nord Ouest, Villefranche sur Saone, France.

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¹CMCR des Massues, Lyon, France

Full list of author information is available at the end of the article